

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/714,509
Filing Date	11/14/2003
First Named Inventor	George J. Misis
Art Unit	2859
Examiner Name	
Attorney Docket Number	MR/97-001.D.C.C.C1

Sheet 1 of 8

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 4,111,270	10/25/1983	Damadian	
	AB	US- 4,467,282	8/21/1984	Siebold	
	AC	US- 4,680,548	7/14/1987	Edelstein, et al.	
	AD	US- 4,692,705	9/8/1987	Hayes	
	AE	US- 4,707,664	11/17/1987	Fehn, et al.	
	AF	US- 4,793,356	12/27/1988	Misis, et al.	
	AG	US- 4,825,162	4/25/1989	Roemer, et al.	
	AH	US- 4,923,459	5/8/1990	Nambu	
	AI	US- 5,179,332	1/12/1993	Kang	
LMA	AJ	US- 5,258,717	11/2/1993	Misis, et al.	
	AK	US- 5,374,890	12/20/1994	Zou, et al.	
	AL	US- 5,394,087	2/28/1995	Molyneaux	
	AM	US- 5,483,158	1/9/1996	van Heteren, et al.	
	AN	US- 5,543,711	8/6/1996	Srinivasan, et al.	
	AO	US- 5,551,430	9/3/1996	Blakeley, et al.	
	AP	US- 5,559,434	9/24/1996	Takahashi, et al.	
	AQ	US- 5,565,779	10/15/1996	Arakawa, et al.	
	AR	US- 5,578,925	11/26/1996	Molyneaux et al.	
	AS	US- 5,602,479	2/11/1997	Srinivasan, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
LMA	AT	EP 0 758 091	2/12/1997	Europe		
LMA	AU	WO 98/37438	8/27/1998	WIPO		

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10/08

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 8**Complete if Known**

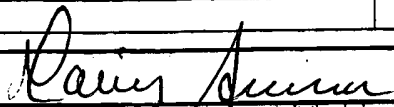
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		Number-Kind Code ² (if known)			
	AV	US- 5,610,521	3/11/1997	Zou, et al.	
	AW	US- 5,621,323	4/15/1997	Larsen	
	AX	US- 5,646,531	7/8/1997	Renz	
	AY	US- 5,664,568	9/9/1997	Srinivasan, et al.	
LMA.	AZ	US- 5,969,449	12/9/1997	Boskamp	
	BA	US- 5,998,999	12/7/1999	Richard, et al.	
	BB	US- 6,040,697	3/21/2000	Misis	
	BC	US- 6,137,291	10/24/2000	Szumowski, et al.	
	BD	US- 6,150,816	11/21/2000	Srinivasan	
	BE	US- 6,177,797	1/23/2001	Srinivasan	
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	BF	Roemer, P. B., et al., "The NMR Phased Array," Magnetic Resonance in Medicine, Vol. 16, Copyright 1990, Academic Press, Inc., Pages 192-225.	
	BG	Jin, J., et al., "An Innovative Design of Combined Transmit/Receive RF Coils for MR Imaging," Department of Electrical and Computer Engineering, University of Illinois at Urbana-Champaign, Urbana, IL, Philips Medical Systems North America, Shelton, CT, pg. 1116, XP-002092172 (August 1994).	
	BH	Requardt, H., et al., "Switched Array Coils," Magnetic Resonance in Medicine, Vol. 13, March 1990, No. 3., Pages 385-397, XP000132470.	
LUA-	BI	Duensing, R., et al., "A Continuously Variable Field of View Surface Coil," Magnetic Resonance in Medicine, Vol. 13, No. 3, March 1990, Pages 378-384, XP000132469.	
	BJ	"Knee Foot and Ankle Array," produced and sold by MRI Devices Corporation of Waukesha, WI under Model No. KFA, Product Data, CE0413 (July 2000).	
	BK	International Search Report for Counterpart PCT Application No. PCT/US98/23454.	
	BL	Memorandum Order, Medrad, Inc. vs. MRI Devices Corporation, Civil Action No. 02-2044, August 13, 2003.	
	BM	Transcript of Testimony of Dr. Arne Reykowski at the Hearing ("Reykowski Transcript").	
	BN	Deposition of Dr. Gregor Adriany ("Adriany Deposition").	
	BO	Expert Report of Dr. Peter B. Roemer Concerning Noninfringement of Claims 1,2,3,5,16 and 23 of U.S. Patent No. 6,396,273 ("Roemer Noninfringement Report").	

Examiner Signature	<i>Dany Anna</i>	Date Considered	10/04
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		Art Unit	2859
		Examiner Name	
Sheet 4 of 8	Attorney Docket Number	MR/97-001.D.C.C.C1	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BP	Expert Report of Kimberly A. Moore ("Moore Report").	
	BQ	MRI Devices' Motion for Summary Judgment of Noninfringement of the '273 Patent ("MRIDC's SJ Motion of Noninfringement").	
	BR	MRI Devices' Memorandum Supporting Its Motion for Summary Judgment of Noninfringement of the '273 Patent ("MRIDC's Memo Supporting SJ Motion of Noninfringement").	
	BS	MRI Devices' Motion for Summary Judgment to Invalidate Claims 1,2,3,5,16 and 23 of U.S. Patent No. 6,396,273 ("MRIDC's SJ Motion to Invalidate").	
LMA	BT	MRI Devices' Memorandum Supporting Its Motion for Summary Judgment to Invalidate Claims 1,2,3,5,16 and 23 of U. S. Patent No. 6,396,273 (MRIDC's Memo Supporting Invalidity Motion").	
	BU	Appendix In Support of MRI Devices' Motion for Summary Judgment to Invalidate Claims 1,2,3,5,16 and 23 of U.S. Patent No. 6,396,273 ("MRIDC's Appendix to Invalidity Motion").	
	BV	Medrad's Opposition To MRI Devices' Motion For Partial Summary Judgment To Invalidate Certain Claims Of U.S. Patent No. 6,396,273 ("Medrad's Opposition to MRIDC's SJ Motion to Invalidate").	
	BW	MRI Devices' Reply Supporting Its Motion For Summary Judgment to Invalidate All Asserted Claims of U. S. Patent No. 6,396,273 ("MRIDC's Reply").	
	BX	Appendix in Support of MRI Devices' Reply Supporting its Motion for Summary Judgment to Invalidate All Asserted Claims of U. S. Patent No. 6,396,273 ("MRIDC's Appendix to Reply").	
	BY	Report and Recommendation of Magistrate Judge to Federal District Judge Terrence F. McVerry ("Magistrate's Report and Recommendation").	

Examiner Signature	<i>Craig S. ...</i>	Date Considered	10/04
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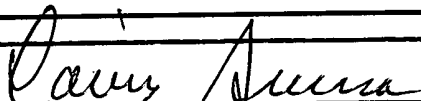
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BZ	Plaintiff Medrad's Supplemental Responses to Defendant's First Set of Interrogatories (3/26/2003).	
	CA	Expert Report of Dr. Cecil E. Hayes Pursuant to Rule 26(a)(2)(B) of the Federal Rules of Civil Procedure (3/31/2003).	
	CB	Expert Report of Kenneth W. Belt Pursuant to Rule 26(a)(2)(B) of the Federal Rules of Civil Procedure (3/31/2003).	
	CC	Adriany, G., et al., "A Transmit/Receive Quadrature Birdcage Array Coil for 4 Tesla," Proceedings of the International Society for Magnetic Resonance in Medicine, Fifth Scientific Meeting and Exhibition, Volume 1, Pg. 177 (April 12-18, 1997).	
LHA	CD	Adriany, G., et al., "A Transmit/Receive Quadrature Birdcage Array for 4 Tesla," Presentation to the International Society for Magnetic Resonance in Medicine, Fifth Scientific Meeting and Exhibition, Vancouver, B.C., Canada (April 12-18, 1997).	
	CE	Fitzsimmons, Jeffrey R., et al. "Radio Frequency Coil Development for High Field Whole Body MRI/MRS," High Field Workshop (March 7, 1997).	
	CF	Fitzsimmons, Jeffrey R., et al. "Very High Frequency Transceiver Phased Array RF Coil Development for Neuroimaging of the Human Cortex and Spinal Cord at 3 Tesla," NIH Grant Application (February 1, 1997).	
	CG	Reykowski, A., et al., "Novel Two Channel Volume Array Design for Angiography of the Head and Neck," Proceedings of the Society of Magnetic Resonance, Second Meeting, Volume 1, Pg. 216 (August 6-12, 1994).	
	CH	Reykowski, A., Theory and Design of Synthesis Array Coils for Magnetic Resonance Imaging, (see pp. 162-191), Dissertation submitted to the Office of Graduate Studies of Texas A&M University (December 1996).	
	CI	Szumowski, J., et al., "A Telescopic Phased Array Coil for MRA of the Lower Extremities," Proceedings of the Society of Magnetic Resonance, Volume 2 (August 19-25, 1995).	

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	CJ	Merkle, H., et al., "A Dual-Quadrature, Transmit/Receive Surface Coil Design for Brain Studies at High Fields," International Society of Magnetic Resonance in Medicine, Pg. 962 (1995).	
	CK	Monroe, J.W., et al., "Phased Array Coils for Upper Extremity MRA," MRM 33: 224-229 (1995).	
	CL	Reykowski, A., "Transmit-Receive Array for Angiography of the Head and Neck," Unpublished Paper (1995).	
	CM	Lian J., et al., "Detachable RF Coil for Clinical Breast Imaging," Proceedings of the Society of Magnetic Resonance, Volume 1 (August 19-25, 1995).	
L.M.A.	CN	COMPLAINT, Civil Action No. 02-2044, Medrad, Inc., (Plaintiff) v. MRI Devices Corporation (Defendant), Patent Infringement of Medrad's Patent USPN 6,396,273 (November 25, 2002).	
	CO	ANSWER, Civil Action No. 02-2044 (December 16, 2002).	
	CP	MRI DEVICES CORPORATION'S RESPONSE TO MEDRAD'S FIRST SET OF INTERROGATORIES, Civil Action No. 02-2044 (January 20, 2002).	
	CQ	PLAINTIFF MEDRAD'S RESPONSES TO DEFENDANT'S FIRST SET OF INTERROGATORIES, Civil Action No. 02-2044 (January 20, 2003).	
	CR	MEDRAD'S RESPONSES AND OBJECTIONS TO DEFENDANT'S SECOND SET OF INTERROGATORIES, Civil Action 02-2044 (January 29, 2003)	
	CS	MEDRAD'S RESPONSES AND OBJECTIONS TO DEFENDANT'S THIRD SET OF INTERROGATORIES, Civil Action 02-2044 (January 30, 2003).	

Examiner Signature	<i>Carly Anna</i>	Date Considered	10/04
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	CT	PLAINTIFF MEDRAD'S RESPONSES TO DEFENDANT'S FIFTH SET OF INTERROGATORIES, Civil Action No. 02-2044 (February 21, 2003).	
	CU	MRI DEVICES CORPORATION'S SUPPLEMENTAL RESPONSE TO MEDRAD'S INTERROGATORY NO. 11, Civil Action No. 02-2044 (February 21, 2003).	
	CV	MEDRAD'S SUPPLEMENTAL RESPONSES AND OBJECTIONS TO DEFENDANTS' FIRST SET OF REQUESTS FOR ADMISSIONS, Civil Action No. 02-2044 (February 24, 2003).	
	CW	MEDRAD'S OBJECTIONS/RESPONSES TO DEFENDANT'S FOURTH SET OF INTERROGATORIES, Civil Action No. 02-2044 (March 4, 2003).	
LWA	CX	Duensing, G.R., et al., "Transceive Phased Array Designed for Imaging at 3T," Presentation at the High Field Imaging Workshop (March 7, 1997).	
	CY	Reykowski, A., et al., "Novel Two Channel Volume Array Design for Angiography of the Head and Neck," Proceedings of the Society of Magnetic Resonance, Second Meeting, Volume 1, Pg. 216 (August 6-12, 1994).	
	CZ	MRI DEVICES CORPORATION'S SECOND SUPPLEMENTAL RESPONSE TO MEDRAD'S INTERROGATORY NO. 11, Civil Action 02-2044 (March 10, 2003).	
	DA	EXPERT REPORT OF DR. PETER B. ROEMER CONCERNING INVALIDITY OF CLAIMS 1, 2, 3, 5, 16 AND 23 OF U.S. PATENT 6,396,273, Civil Action 02-2044 (March 14, 2003).	
	DB	"Optimized Birdcage Resonators for Simultaneous MRI of Head and Neck," Proceedings of the Society of Magnetic Resonance, p. 1349 (1993).	
	DC	"Surface Coil Proton MR Imaging at 2T," Radiology, 161, No. 1, pgs. 251-5, (Oct. 1986).	

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Signature*Carrie A. ...*Date
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	DD	"Spatial Localization in 31P and 13C NMR Spectroscopy in vivo Using Surface Coils," Journal of Magnetic Resonance in Medicine, 1: 410-413 (1984).	
	DE	"Comparison of Linear and Circular Polarization for Magnetic Resonance Imaging," Journal of Magnetic Resonance 64, 255-270 (1985).	
L.H.A.	DF	"Brief of Plaintiff-Appellant Medrad Inc.," U.S. Court of Appeals for the Federal Circuit Case No. 04-1134.	
	DG	"Brief of Defendant-Appellee MRI Devices Corporation," U.S. Court of Appeals for the Federal Circuit Case No. 04-1134.	
	DH	"Reply Brief of Plaintiff-Appellant Medrad, Inc.," U.S. Court of Appeals for the Federal Circuit Case No. 04-1134	

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